

mother glass of the glass disk is a silicate glass containing one compound selected from the group consisting of Li_2O and Na_2O as an alkaline oxide component, and the method further comprises the step of

5 carrying out chemical strengthening treatment wherein an alkaline metal ions of the alkaline oxide component in a surface layer of the glass disk is replaced with an alkaline metal ions having larger ionic radius, after the grinding and polishing of the at least one major surface

10 of the glass disk have been carried out.

16. A glass substrate for information recording media prepared using the method claimed in claim 1.

17. A glass substrate for information recording media as claimed in claim 16, wherein an average

15 roughness R_a of at least one of the inner peripheral edge surface and the outer peripheral edge surface is in a range of 0.001 to 0.3 μm .

18. A glass substrate for information recording media as claimed in claim 16, wherein a maximum roughness

20 R_{max} of at least one of the inner peripheral edge surface and the outer peripheral edge surface is in a range of 0.01 to 2 μm .

19. ^(Amended) An information recording medium comprising a glass substrate for information recording media as

25 claimed in ^{claim 16} any one of claims 16 to 18] with an information recording film formed on at least one major surface thereof.

20. ^(Amended) An information recording medium comprising a glass substrate for information recording media as

30 claimed in ^{claim 16} any one of claims 16 to 18] wherein said glass substrate has an information recording film selected from the group consisting of a magnetic recording film, an optical magnetic recording film, and an optical recording film is formed on at least one major surface thereof.

35 21. An information recording medium as claimed in

099994.14504
T.05077.79626660